Geological Time Chart

ERAS	PERIODS (OF TIME) or SYSTEMS (OF ROCK)	EPOCHS (OF TIME) or SERIES (OF ROCK)	APPROXIMATE TIME IN YEARS SINCE BEGINNING OF EACH	PHYSICAL & BIOLOGICAL FEATURES
CENOZOIC	QUATERNARY	RECENT	50,000	Development of modern man.
		PLEISTOCENE	1,000,000	Ice sheets over Europe and North America; appearance of early man.
	TERTIARY	PLIOCENE	12,000,000	Development of modern plants and animals; formation of mountains in western America.
		MIOCENE	30,000,000	Highest development of larger mammals; formation of mountains, including the Alps, Andes, and Himalayas.
		OLIGOCENE	40,000,000	Development of higher mammals.
		EOCENE (& PALEOCENE)	60,000,000	Rise to dominance of mammals; appearance of ancestral horse and primates.
[illegible]	CRETACEOUS		120,000,000	Extinction of dinosaurs; development of early mammals and flowering plants; deposit of chalk beds.
	JURASSIC		155,000,000	Appearance of flying reptiles and birds; dominance of dinosaurs; appearance of primitive mammals; abundance of coniferous trees.
	TRIASSIC		190,000,000	Appearance of dinosaurs; dominance of reptiles; appearance of cycadaceous trees.
	PERMIAN		215,000,000	Development of reptiles; decline of huge plants of the Carboniferous.
	CARBONIFER[illegible] [illegible]		300,000,000	Age of coal; formation of coal beds from luxuriant plant life in warm, swampy forests; great, fernlike trees; appearance of primitive conifers; abundance of insect life; first appearance of reptiles; development of amphibians.
	[illegible]		350,000,000	Age of the fish; appearance of primitive amphibians; development of primitive plant life on dry continents.
	[illegible]		390,000,000	Appearance of scorpions, the first animals to live on land; extensive coral reefs.
			480,000,000	Floods and recessions of shallow seas; deposits of limestone, lead, and zinc ores; abundance of marine invertebrate life; appearance of a few primitive, fishlike vertebrates.
			550,000,000	Shallow seas over much of the land; formation of sedimentary rocks; development of marine invertebrate life, including brachiopods, snails, sponges, and trilobites.
			1,200,000,000	Formation of mountains; deposits of iron ore; abundance of lime-secreting algae; appearance of sponges.
			2,000,000,000	Great volcanic activity; formation of igneous rocks; some microscopic algae; probably some protozoa.

Hailstone LDS Church Farm

H. Clay Cummings called Jay Swain to take
Charge of Church Farm
Each ward gave best cow for Dairy
" " supplied & hauled hay to Church Farm

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